

IMAGED ELEMENT AND METHOD FOR MANUFACTURING THE SAME

Publication number: JP2002174878 (A)

Publication date: 2002-06-21

Inventor(s): TAYLOR JEFFREY FACER; O'CONNOR KEVIN M; FLOOD
ELMER CHARLES; YAU HWEI-LING; CHEN TIENTEH +

Applicant(s): EASTMAN KODAK CO +

Classification:

- international: *B41M5/00; B41M7/00; C09D4/06; C09D5/00; C09D5/02;
C09D11/00; G03C1/76; G03C11/08; G03C11/10; G03G8/00;
B41M5/00; B41M7/00; C09D4/06; C09D5/00; C09D5/02;
C09D11/00; G03C1/76; G03C11/00; G03G8/00; (IPC1-
7): G03C1/76; B41M5/00; C09D4/06; C09D5/00; C09D5/02;
C09D11/00; G03C11/08*

- European: B41M7/00R; G03C11/08; G03C11/10; G03G8/00

Application number: JP20010292299 20010925

Priority number(s): US20000669299 20000925

Also published as:

 US6352805 (B1)
 EP1190866 (A1)
 EP1190866 (B1)
 DE60102193 (T2)

Abstract of JP 2002174878 (A)

PROBLEM TO BE SOLVED: To provide an imaged element having a water-resistant protective overcoat. **SOLUTION:** The imaged element includes (A) a support and at least one image-receiving layer with a dye or pigment image and (B) a protective overcoat situated on the at least one image receiving layer, having at least 0.54 g/m2 lay-down and comprising a crosslinked coating composition containing a reaction product of a) water-dispersible latex particles having 10-250 nm average particle diameter and containing a film forming hydrophilic polymer and b) a photopolymerizable component system containing 20-300 mass% copolymerizable compatible monomers, based on the hydrophobic polymer, including at least one monomer having two or more polymerizable ethylenically unsaturated groups and 1-25 mass% ultraviolet light sensitive initiator based on the photopolymerizable component system. The Tg (glass transition temperature) of a coated composition containing the latex particles and the photopolymerizable component system before crosslinking is -60 to +60 deg.C.

~~~~~  
Data supplied from the **espacenet** database — Worldwide